## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Youssri Helmy and Tarek Nabham

Application No.:

10/632,519

Group Art Unit:

2662

Filed:

August 1, 2003

Examiner:

Elallam, Ahmed

PATENT APPLICATION

DOCKET NO.: 3442.1002-000

Confirmation No.:

4346

Title: ACCELERATING NETWORK PERFORMANCE BY STRIPING AND

PARALLELIZATION OF TCP CONNECTIONS



CERTIFICATE OF MAILING OR TRANSMISSION
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## **INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

<b></b>		
This	Information Disclosure Statement is submitted: under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)	
[]	under 37 CFR 1.97(b), or (Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the nation stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, include CPA, or a Request for Continued Examination).	
[ X ]	under 37 CFR 1.97(c) together with either:  [ ] a Statement under 37 CFR 1.97(e), as checked below, or	
	[X] a \$180.00 fee under 37 CFR 1.17(p), or (After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)	00000043 10632519
[ ]	under 37 CFR 1.97(d) together with:	43 1
	[ ] a Statement under 37 CFR 1.97(e), as checked below, and	000000
	[ ] a \$180.00 fee under 37 CFR 1.17(p), or (Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)	YPOLITE1
[ ]	[ ] a \$180.00 fee under 37 CFR 1.17(p), or (Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee) under 37 CFR 1.97(i): Applicant requests that the IDS and cited reference(s) be placed in the application filewrappe (Filed after payment of issue fee)	01/25/2005

Statem	ient Und	<u>aer 3/ (</u>	CFR 1.97(e)				
[]	any co	mmuni	nformation contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more nths prior to the filing of this Information Disclosure Statement; or				
[]	No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information containe in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.						
Statem	ent Und	der 37 (	CFR 1.704(d) (Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000				
[]	commitwas no	unication ot receiv	information contained in the Information Disclosure Statement was cited in a son from a foreign patent office in a counterpart application and this communication yed by any individual designated in § 1.56(c) more than thirty days prior to the aformation Disclosure Statement.				
[X ]	Enclos	ed here	with is form PTO-1449:				
	[X]	Copies	s of the cited references are enclosed.				
		[X]	Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.				
	[]	Applic	s of the cited references are enclosed except those entered in prior application, U.S. ration No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier ation contains copies of the cited references.]				
	[ ]	The list	sted references were cited in the enclosed International Search Report in a expart foreign application.				
f	[ ]	The "cunder	oncise explanation" requirement (non-English references) for reference(s) [ 37 CFR 1.98(a)(3) is satisfied by:				
		[]	the explanation provided on the attached sheet.				
		[]	the explanation provided in the Specification.				
		[ ]	submission of the enclosed International Search Report.				
		[ ]	submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.				
		ſΊ	the enclosed English language abstract.				

[ ]	App	olicant requests that the	following n	on-published pending app	olications be consider	ed:
Examiner's Initials	;					
		U.S. Patent Applicat	tion No. [	], by [inventor(s)], filed	[ ], Docket No.: [	]
		U.S. Patent Applicat	tion No. [	], by [inventor(s)], filed	[ ], Docket No.: [	]
		U.S. Patent Applicat	tion No. [	], by [inventor(s)], filed	[ ], Docket No.: [	]
		Examiner		Date		
	[]	any application filed	on or after	olication, including the cur June 30, 2003, which have June and is available to the	s been scanned into tl	sed, except he PTO's
	[ ]	A copy of each above those entered in price 35 U.S.C. 120 is cla	r application	olication, including the curon, U.S. Application No. [	rrent claims, is enclosed and its enclosed are in the price of the pri	
The E	xami nces	ner is requested to return were considered with the	n a copy of e next offic	the above list of pending e communication.	applications indicating	ng which
It is re	ques	ted that the information	disclosed h	erein be made of record in	n this application.	
Metho	od of	payment:				
[X]		heck for the fee noted abompanying Reply. A co		losed, or the fee has been statement is enclosed.	included in the check	with the
[ ]		ase charge Deposit Accolosed.	ount 08-038	0 in the amount of \$[	]. A copy of this S	tatement is
[X]	Ple	ase charge any deficienc	y in fees an	d credit any overpayment	to Deposit Account	08-0380.
			R	Respectfully submitted,		
				By David J. Thibodeau, Jr. Registration No.: 31,671		S, P.C.
				Telephone: (978) 341-00 Facsimile: (978) 341-01	36	

Concord, MA 01742-9133 Dated: ///8/05

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PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3442.1002-000		PLICATION NO. /632,519		
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION			FILING DATE August 1, 2		
JAN 2 1 2005  January 18, 2005  System Several sheets if necessary)	EXAMINER Elallam, Ahmed	CONF	IRMATION NO.	GROUP 2662	

	U.S. PATENT DOCUMENTS					
EXAM- NER NI- TAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / MM-DD-YYYY	NAME OF PATENTEE OF CITED DOCUMENT		
	AA	5,657,452	08-12-1997	Kralowetz, et al.		
	AB	5,768,525	06-16-1998	Kralowetz, et al.		
	AC	5,945,933	08-31-1999	Kalkstein		
	AD	6,397,259 B1	05-28-2002	Lincke, et al.		
	AE	6,012,062	01-04-2000	Jagadish, et al.		
	AF	6,314,095 B1	11-06-2001	Loa		
	AG	6,658,463 B1	12-02-2003	Dillon et al.		
	AH	6,449,658 B1	09-10-2002	Lafe et al.		
	AI	6,304,567	10-16-2001	Rosenberg, Jonathan David		
	AJ	6,115,384	09-05-2000	Parzych, Matthew J.		
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(Use several sheets if necessary)	Elallam Ahmed	4346	2662	

		U.S. P	UBLISHED APPLICATIONS	,
EXAM- NER NI- IIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	PUBLICATION DATE MM-DD-YYYY	NAME OF APPLICANT OF CITED DOCUMENT
	AK	US 2002/0071438 A1	06-13-2002	Singh
	AA2	US 2002/0136224 A1	09-26-2002	Motley
	AB2	US 2003/0177396 A1	09-18-2003	Bartlett et al.
	AC2	US 2004/0103225 A1	05-27-2004	McAlpine et al.
	AD2	US 2004/0015591 A1	01-22-2004	Wang, Frank Xiao-Dong
		-		

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## INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION

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ATTORNEY DOCKET NO. 3442.1002-000		LICATION NO. 632,519		
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		F	OREIGN PATENT D	OCUMENTS		
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANS YES	LATION NO
	AL	WO 01/37516 A2	5-25-01	PCT		
	AM					
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CONFIRMATION NO. GROUP			
- -	INVENTOR FILING DATE August 1, 2003		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
	AR	Huffman, David A., "A Method for the Construction of Minimum-Redundancy Codes," <i>Proceedings of the I.R.E.</i> , 40:1098-1101 (1952).		
	AS	Ziv, Jacob, et al., "A Universal Alorithm for Sequential Data Compression," <i>IEEE Transactions on Information Theory</i> , IT23(3):337-343 (1977).		
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